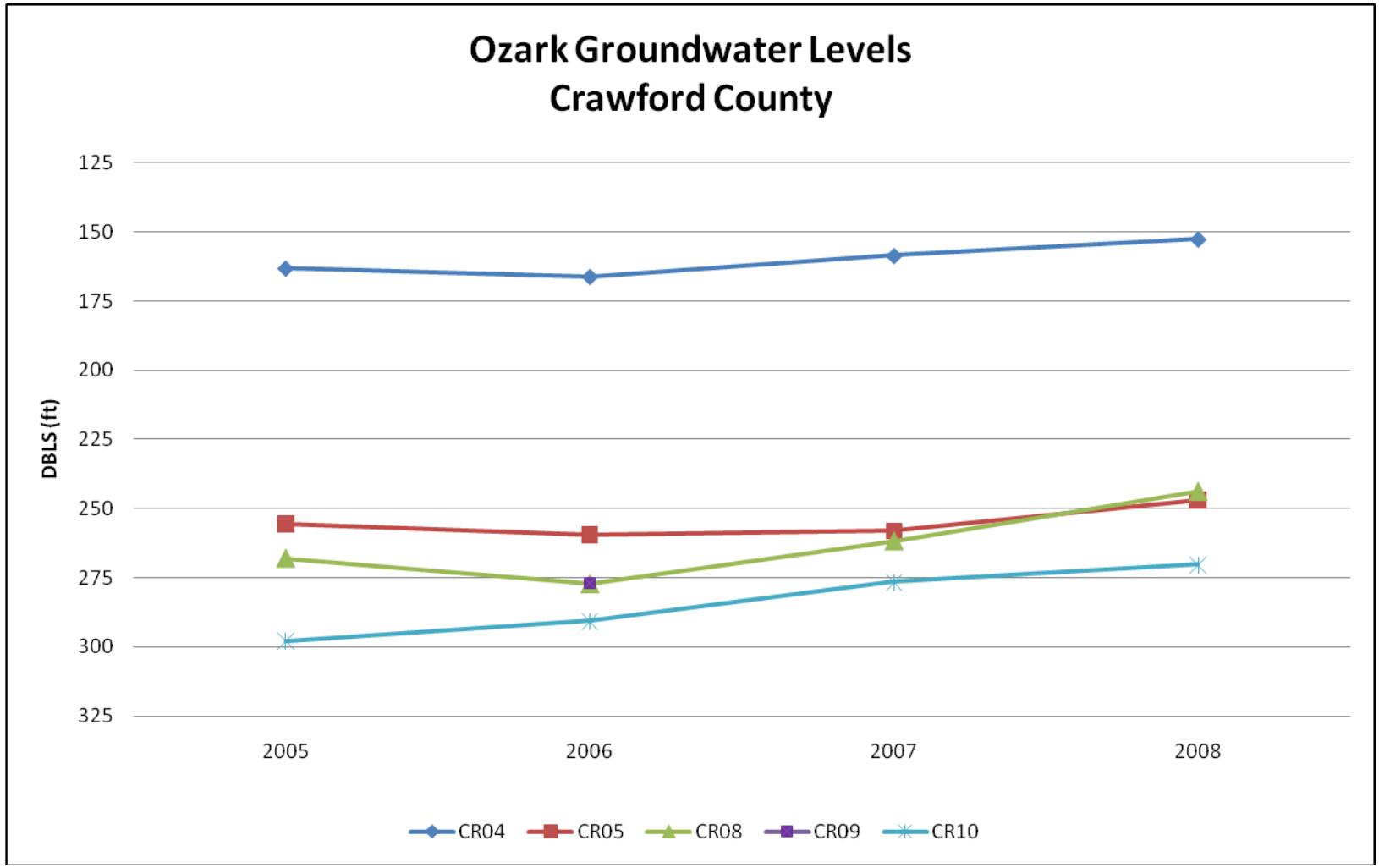

Figure 1: Groundwater levels for the Ozark aquifer in Crawford County

In the Ozark aquifer, there are 20 monitoring wells, which are identified by the Kansas Geological Survey well ID numbers as shown in Figures 10-13. Figure 1: Groundwater levels for the Ozark aquifer in Crawford County shows that the groundwater levels for the Ozark aquifer in Crawford County overall had decreased an average of 2 feet from 2005 to 2006 but have increased about 20 feet from 2006 to 2008.

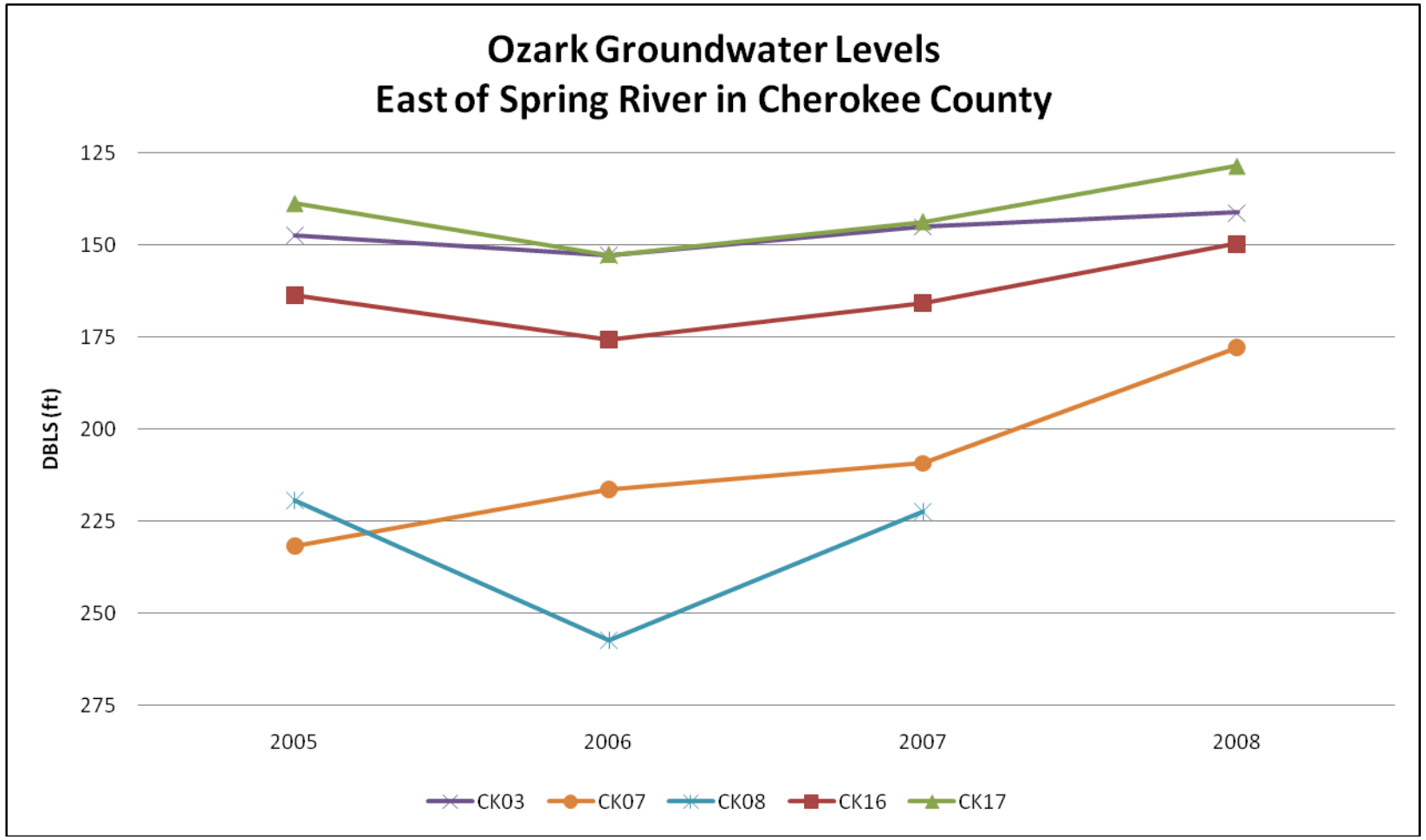

Figure 2: Ozark groundwater levels East of the Spring River in Cherokee County

Figure 2 shows groundwater levels in Cherokee County that are East of the Spring River. From 2005 to 2006 average water levels declined about 11 ft. However, from 2006 to 2008 overall water levels recovered an average of 25 ft. CK08 declined about 38 feet from 2005 to 2006 but recovered 35 feet from 2006 to 2007. Since CK08 is a pumping well, the data may represent pumping levels as opposed to a static water level. CK08 was obstructed and could not be measured in 2008.

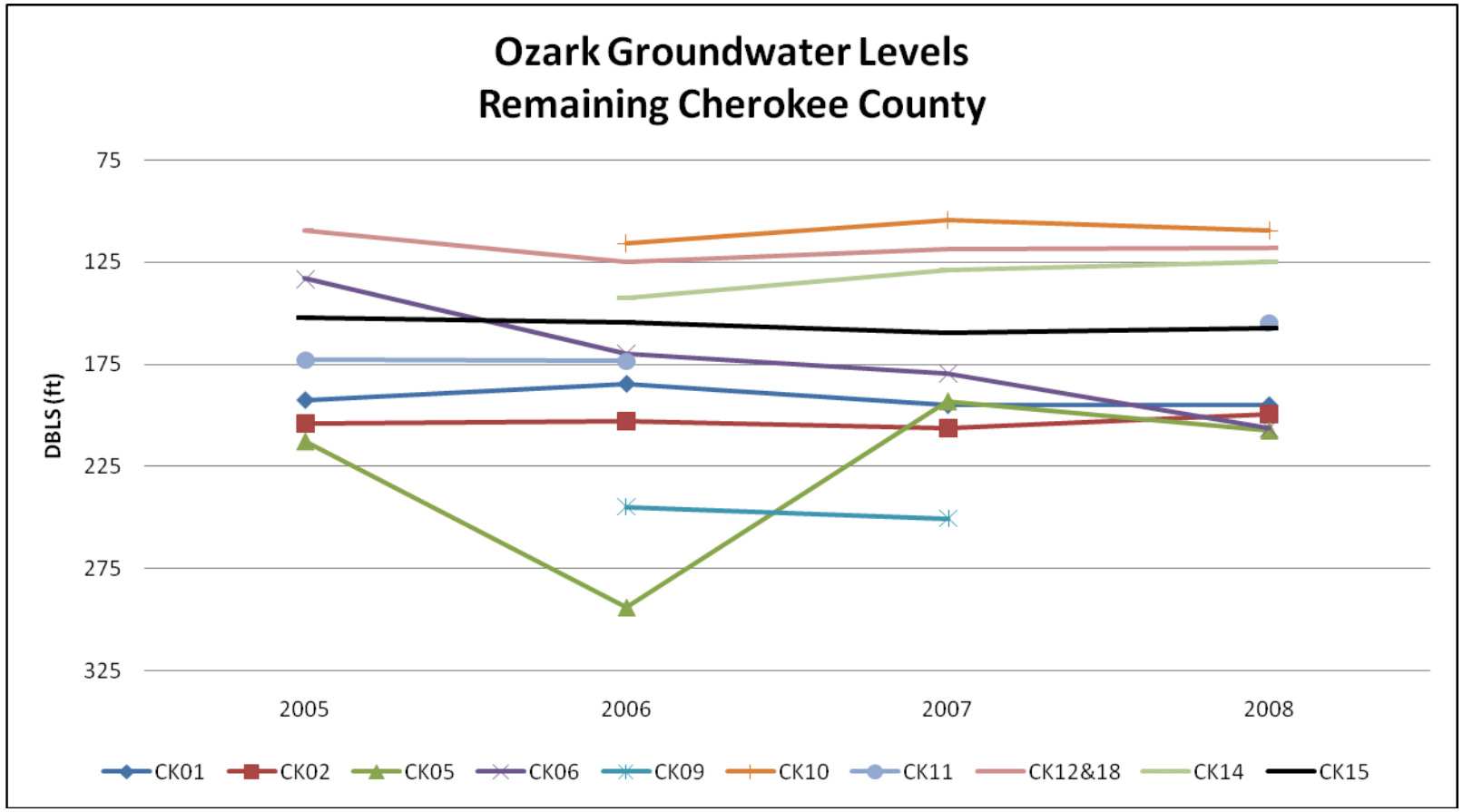

Figure 3: Ozark groundwater levels for remaining Cherokee County wells (non-east) of the Spring River

Figure 3 shows the Ozark groundwater levels for the remaining wells in Cherokee County that are not east of the Spring River. Overall, from 2005 to 2006 the wells declined an average of 21 feet and recovered an average of 10 feet from 2006 to 2007. From 2007 to 2008 overall well levels declined an average of 4 ft. CK05 declined about 37 feet from 2005 to 2006, recovered about 100 feet from 2006 to 2007, and then declined about 14 feet from 2007 to 2008. CK05 has declined approximately 81 ft from 1987 to 2008. CK12/CK18 has shown similar trends to CK05 and have declined about 41 ft from 1975-2008. Since these are pumping wells, some data is representative of pumping levels instead of static water levels. CK09 was pumping and could not be measured in 2008.

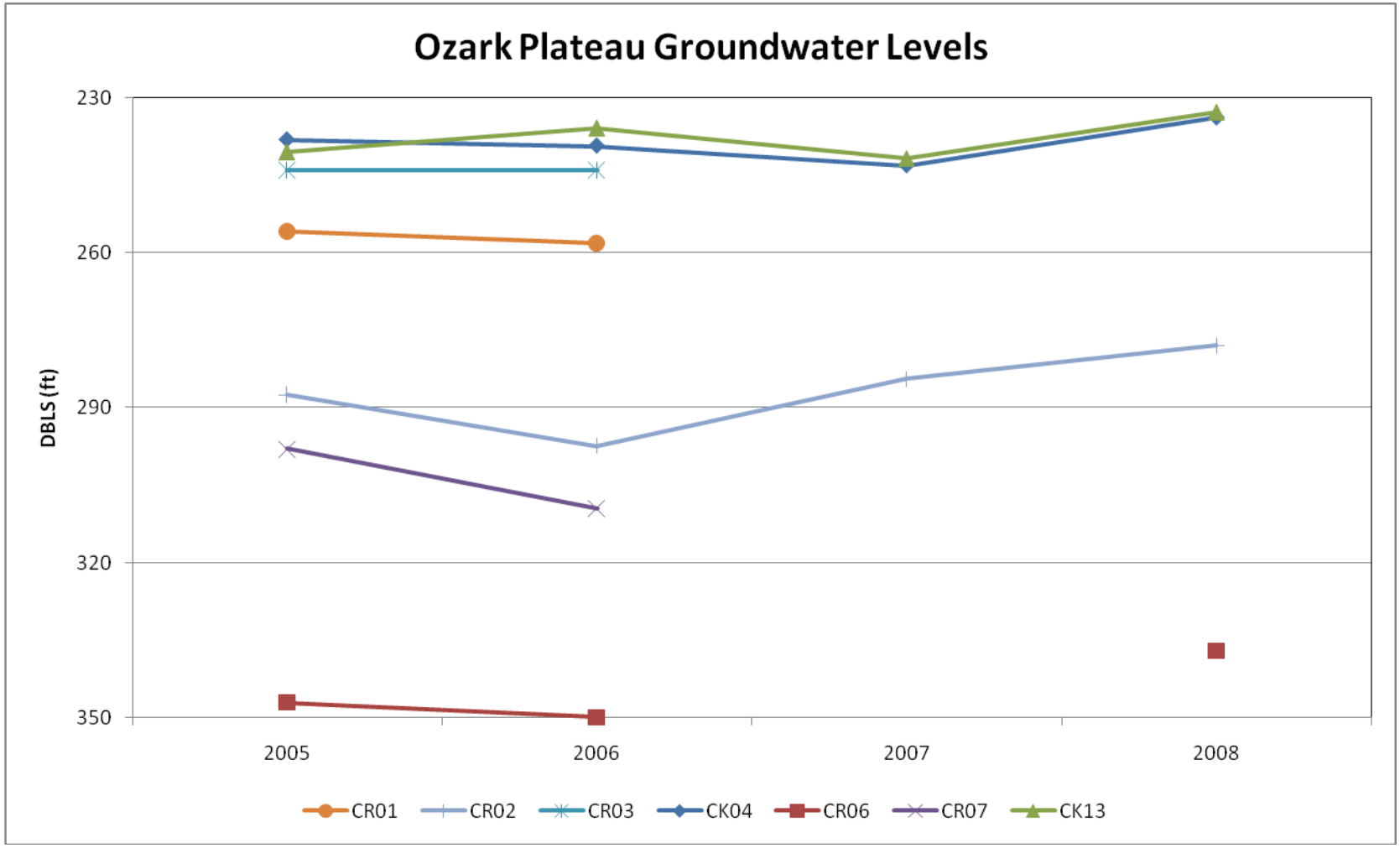

Figure 4: Groundwater levels in the Ozark Plateau aquifer

In the Ozark Plateau aquifer there are seven monitoring wells (Figure 4). Overall from 2005 to 2006 water levels declined by about 3 feet but increased nearly 10 feet from 2006 to 2008. CR07 has not been measured for the past two years due to sludge. CR01 and CR03 are no longer part of the monitoring network, and will not be included in subsequent reports.